

Peak District National Park

Forecast valid from 00:00 on Thursday 30 Nov 2023 until 23:59 on Friday 01 Dec 2023

Forecast Issued on Wednesday 29 Nov 2023 at 15:58

Confidence: High for cold conditions. Medium for snow details. Low confidence in details from Sunday.

Headline for Thursday 30 Nov 2023: Cold. Bright or sunny spells. Snow showers. Severe wind chill.

Mountain weather hazards on Thursday 30 Nov 2023

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Medium Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

Low Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m

Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Light snow	Light snow	Partly cloudy (night)	Sunny intervals	Sunny intervals	Cloudy	Light snow showers (night)	Partly cloudy (night)
Precipitation probability							
50%	50%	30%	20%	20%	30%	40%	20%

Forecast for Thursday 30 Nov 2023

Weather: Cold with a frost for much of the time, perhaps some freezing fog patches in the valleys. Bright or clear spells, but also scattered or occasional snow showers.

Chance of cloud-free hill tops above 600m: 60%

Low cloud and visibility: Scattered to extensive cloud, base around 600m, falling to around 300m in snow showers. Visibility very good falling poor or very poor in snow showers.

Forecast for Thursday 30 Nov 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/17 NE	18/23 NE	19/24 NE	21/26 NE	17/23 NE	15/20 NE	14/18 NE	10/13 NE	10/14 NE
300	7/12 NE	11/17 NE	11/18 NE	10/16 NE	13/18 NE	11/16 NE	8/14 NE	7/11 NE	7/11 NE
Valley	4/13 NE	8/20 E	8/21 NE	7/18 NE	9/19 NE	6/16 NE	6/15 NE	4/12 NE	3/10 NE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-3/-9	-2/-9	-3/-10	-3/-10	-2/-9	-2/-9	-3/-9	-3/-8	-3/-8
300	-0/-4	-0/-5	-1/-6	-1/-6	0/-5	0/-4	-0/-4	-1/-5	-1/-5
Valley	-1/-3	0/-4	-0/-5	-0/-4	2/-2	1/-2	-0/-3	-1/-4	-1/-4
Freezing Level*	100m	200m	100m	100m	200m	200m	200m	100m	00m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Winter conditions taking hold.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Wed 29 Nov 2023	0.4mm	1mm	13.8mm

Forecast for Friday 01 Dec 2023

Weather: Scattered snow showers likely overnight and during the morning. Freezing fog patches possible in the valleys. Mainly sunny or clear during the afternoon and evening.

Maximum wind: Northeast 15mph, easing later. Significant wind chill at first.

Chance of cloud-free hill tops above 600m: 80%

Low cloud and visibility: Scattered to extensive cloud at first, base around 600m, falling to around 300m in snow showers, becoming nil significant during the afternoon and evening. Visibility very good falling poor or very poor in snow showers.

Temperature: **Valleys:** Minus 4 Celsius rising to around Plus 2 Celsius around the middle of the day.
At 600m: Minus 2 to Minus 6 Celsius
Freezing level: All levels, perhaps rising to around 200m around the middle of the day.